

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Algebra 1 A Pd: \_\_\_\_\_

**DRT Homework #1**

**The Situation:** Brian's friend, Tyrone, leaves his house at 2 pm at an average speed of 40 mph. Brian notices that Tyrone left his wallet behind, and leaves his house at 2:30 pm at an average speed of 50 mph to catch up to Tyrone. At what time will Brian catch up to Tyrone?

**1. What type of DRT Problem is this?**

**2. Write the GENERAL equation for this type of problem.**

**3. Define a variable for Tyrone's total travel time.**

**4. Fill in the DRT Table below.**

	rate	time	Distance
Tyrone			
Brian			

**5. Using the GENERAL equation from #2 and your table, write an equation for the situation.**

**6. Solve the equation.**

**AT WHAT TIME WILL BRIAN CATCH UP TO TYRONE?** \_\_\_\_\_